MONTHLY WEATHER MAP

METEOROLOGICAL SERVICE
DOMINION OF CANADA

JULY 1931

TEMPERATURE

In the Yukon, part of the Mackenzie valley, on the Pacific coast, on the Labrador coast and the contiguous region of northern Quebec, and part of far northwestern Ontario, the month was cooler than a normal July. The deficiency was 4 or 5 degrees at the mouth of the Mackenzie and in the eastern region of Hudson Strait. Elsewhere the deficiency was small

In Saskatchewan, except the southwest, in part of Manitoba and very generally in the East from the east shore of Lake Superior to the Atlantic coast, the temperature averaged 3 or 4 degrees above that of a normal July. At some points in all the provinces of the East the excess reached 5 or 6 degrees.

In the interior of southern British Columbia and in Alberta from Edmonton south to the border temperatures were generally about one degree in excess of normal.

PRECIPITATION

On Vancouver Island and in the lower Fraser valley rainfall was nearly fifty-five per cent. of the normal July total. In the southern interior valleys of British Columbia the rainfall averaged only twenty-five per cent. of the normal total.

In northern Alberta ninety per cent. of the normal fell, and in southern Alberta one hundred and five per cent. There was ninety per cent. of the normal amount in northern Saskatchewan and sixty-five per cent. in southern Saskatchewan. Rainfall in Manitoba averaged nearly normal.

In northern Ontario many places had very heavy rains and others only one quarter the normal amount. The general average was slightly in excess of the normal amount. In southern Ontario the rainfall was locally heavy but generally averaged about one hundred and thirty per cent. of the normal amount.

In Quebec there was an excess of fifty per cent. generally although many points along the middle St. Lawrence valley and in the Laurentian Hills had more than twice the normal amount.

In New Brunswick there was a general excess of twenty per cent. but in Nova Scotia and Prince Edward Island there was a deficiency of between ten and fifteen per cent.

In far northern Canada rainfall was about fifteen per cent. in excess. There were especially heavy rains at Churchill on the west coast of Hudson Bay.

A. J. CONNOR.

SPECIAL REPORTS

NOTE—Column H is Highest Temperature; Column L is Lowest Temperature; Column P is Precipitation in inches; Column I denotes total of bright sunshine in hours during the month.

BRITISH COLUMBIA

STATION	H	L	P	I	STATION	H	L	P	I	STATION	H	L	P	I
										Penticton	99°	43°	0.4	
Victoria	89°	49°	0.3	386	Cumberland	86°	43°	0.3		Oliver	106°	48°	0.1	
Sidney	88°	50°	0.7	378	Vancouver	90°	47°	0.4	381	Nelson	96°	40°	0.4	352
Goldstream Lake			0.6		Chilliwack	92°	44°	0.6		Cranbrook	93°	34°	0.1	
Sooke	85°	46°	0.4		Agassiz	93°	47°	0.6	295	Golden	93°	35°	0.5	
Shawnigan Lake	93°	43°	0.5		White Rock	84°	47°	0.4		Glacier	83°	33°	2.2	
Duncan	94°	43°	0.4		New Westminster	92°	49°	0.4		Kamloops	100°	47°	0.4	385
Port Alberni	98°	45°	0.3		Vernon	98°	43°	0.4		Prince George	94°	36°	2.3	
Nanaimo	90°	48°	0.5	338	Salmon Arm	101°	39°	0.3	333	Prince Rupert	71°	42°	2.9	

ALBERTA

STATION	H	L	P	I	STATION	H	L	P	I
Peace River					*Southern*				
Beaver Lodge (Grande Prairie)	87°	41°	1.1	315	Calgary	91°	40°	1.6	321
Grouard			2.8		Medicine Hat	104°	40°	0.9	308
Kinuso			2.2		Foremost			1.9	
Slave Lake			2.5		Macleod			2.0	
High Prairie			2.3		Alsask			1.4	
Wembley			1.5		Jenner			0.8	
Hudson's Hope			1.2		Cowley			2.1	
Peace River			0.4		Winnifred			0.6	
Berwyn			1.2		Seven Persons			1.0	
Northern					Craigmyle			1.5	
Edmonton	88°	39°	3.0	279	Sibbald			1.8	
Hanna			2.5		Maycroft			2.8	
Vermilion			5.1		Claresholm			6.2	
Wetaskiwin			2.0		Hillspring			3.4	
Perbeck			2.7		Lethbridge			1.1	
Wabamun			3.0		High River			0.8	
Lougheed			3.1		Manyberries			2.6	
Stettler			1.8		Alix			1.3	
Viking			3.6		Strathmore			2.7	
Athabasca			3.5		Claresholme			1.9	
Radway			2.8		Vulcan			1.4	
Coronation			1.9		*Mountain Valleys*				
Olds			2.1		Lake Louise			1.7	
Pemukan			1.3		Entrance			3.2	
Rumsey			1.8		Rocky Mountain House			1.3	
Sedgewick			2.9		Exshaw			1.6	
Hillsdown			0.6		Coleman			1.7	
Ranfurly			2.8		Beaver Mines			1.3	
Ponoka			2.1		Radium Hot Springs			0.0	
Holden			3.0		Coalspur			3.1	
Telfordville			2.2		Anthracite			1.1	
					Mountain View			3.7	

SASKATCHEWAN

Northern and Eastern					*Southern and Central*				
Battleford	91°	39°	2.6		Swift Current	103°	40°	1.2	332
Prince Albert	93°	45°	1.3		Moose Jaw	102°	44°	0.7	337
Waseca	89°	38°	3.4		Qu'Appelle	101°	40°	1.8	341
Scott	91°	42°	3.1	324	Rosetown	97°	38°	1.4	
Carlyle	104°	38°	3.4		Francis	103°	42°	1.9	
Whitewood	101°	40°	1.1		Gravelbourg	103°	41°	0.8	
Quill Lake	89°	42°	2.2		Chaplin	104°	43°	0.5	
					Assiniboia	104°	43°	2.0	
					Cadillac	102°	40°	1.3	
					Dundurn	101°	40°	1.1	

MANITOBA

Le Pas	91°	42°	2.8	272	Cypress River	102°	42°	3.2	
Minnedosa	98°	43°	3.0		Hamiota	103°	43°	2.4	
Winnipeg	98°	48°	3.1	317	Morris	101°	50°	2.0	
Virden	105°	42°	3.0		Birtle	104°	42°	2.6	
Treherne	101°	45°	3.7		Brandon	98°	42°	4.7	325
Treesbank (St. Albans)	106°	43°	4.2		Dauphin	104°	40°	2.1	
Morden	101°	42°	2.0		Pierson	105°	44°	1.6	
Morden (Experimental Farm)	102°	45°	1.9	296	Sprague	95°	38°	1.1	
Russell	103°	41°	1.2		Boissevain	99°	45°	2.3	
					Great Falls	92°	49°	...	
					Souris	100°	45°	3.3	
					Maimi	...	...	2.5	

ONTARIO

STATION	H	L	P	I
Atikokan	96°	33°	1.5	
Mine Centre	91°	37°	1.7	
Ignace	100°	38°	1.8	
Kenora	94°	48°	2.4	
Sioux Lookout	94°	42°	6.9	
Port Arthur	94°	46°	2.6	
Quorn	93°	39°	2.7	
White River	99°	33°	3.4	
Schreiber	85°	44°	3.9	
Blind River	90°	53°	2.9	
Biscotasing	96°	45°	1.7	
Chapleau	100°	40°	2.8	
Ruel	103°	38°	4.7	
Cochrane	90°	47°	3.6	
Haileybury	95°	50°	5.7	
New Liskeard	95°	45°	6.9	239
Heaslip	100°	42°	3.1	
Kapuskasing	88°	44°	6.0	257
Algonquin Park	101°	42°	1.8	
Madawaska	104°	35°	2.9	
Montreal River	101°		2.6	
Crystal Falls	97°	40°	7.7	
Providence Bay	89°	50°	1.5	
Parry Sound	93°	52°	3.4	
Scotia Junction	98°	52°	2.7	
Walker's Point	99°	45°	3.2	263

STATION	H	L	P	I
Beatrice	98°	42°	2.1	
Barrie	96°	52°	3.0	
Walkerton	100°	45°	3.0	
Mount Forest	97°	45°	...	
Brucefield	95°	49°	6.2	
Southampton	92°	50°	2.7	
Stratford	96°	50°	8.8	
London	99°	50°	5.6	
Woodstock	94°	51°	4.2	271
Paris	102°	53°	4.8	
Alton	98°	40°	5.5	
Harrow	98°	52°	1.6	274
Simcoe	99°	50°	6.2	
Toronto	100°	54°	3.1	266
Beeton	102°	47°	3.8	
Bloomfield	98°	46°	1.1	
Queensboro'	98°	50°	2.6	
Peterboro'	101°	50°	4.8	
Kingston	87°	56°	3.6	254
Brockville	101°	56°	3.8	
Morrisburg	97°	52°	2.5	
Ottawa	101°	55°	1.7	
Ottawa (Exp.Farm)	99°	49°	1.4	251
Renfrew	98°	50°	3.1	
Pembroke	103°	50°	4.1	
Clontarf	101°	48°	2.0	

QUEBEC

Cedars	96°	50°	3.9	
Macdonald College	92°	53°	4.5	
Montréal	97°	56°	4.2	237
Farnham	94°	51°	6.0	248
Brome	92°	45°	9.8	
Nicolet	91°	48	5.1	
Sorel	98°	48°	3.1	
Lennoxville	96°	45°	9.1	248
Sherbrooke	98°	51°	4.3	256
Drummondville	97°	48°	7.2	
Beauceville	92°	39°	5.2	
Lake Mégantic	90°	45°	4.5	
Cap Rouge	90°	43°	4.0	222
Québec	86°	51°	3.7	210
St. Joachim	85°	41°	4.0	
Armagh	93°	38°	6.1	
Seven Falls	87°	38°	5.0	
Ste. Anne de la Pocatiére	88°	45°	5.3	252
La Malbaie	87°	40°	3.4	
Chicoutimi	90°	46°	6.0	
Roberval	85°	47°	3.5	

Albanel	86°	42°	6.7	215
Manouan	89°	38°	3.5	
Lake Kempt	87°	34°	3.7	
La Tuque	94°	43°	5.2	
Chute à Murdock	92°	40°	5.4	
Kenogami	92°	42°	5.2	
La Loutre Rapids	86°	36°	7.8	
Joliette	94°	50°	6.4	
Huberdeau	97°	47°	3.4	
St. Lin des Laurentides	97°	52°	2.3	
Maniwaki	98°	47°	3.0	
St. Gabriel de Brandon	91°	48°	8.2	
Abitibi	96°	48°	2.5	
La Ferme	94°	39°	3.4	246
Ville Marie	98°	44°	3.8	
Sanmaur	91°	36°	6.3	

ATLANTIC PROVINCES

Saint John	80°	49°	5.1	185
Aroostook	91°	45°	4.3	
Chatham	91°	48°	4.2	
Edmunston	87°	47°	3.9	
Fredericton	93°	48°	5.2	227
Fredericton (Experimental Farm)	93°	49°	4.4	213
Gagetown	92°	46°	2.9	
Harvey	92°	45°	6.6	
Moncton	93°	45°	3.0	
Musquash	82°	43°	4.3	
McAdam	92°	46°	5.3	
Rexton	93°	48°	2.6	
Sussex	88°	44°	3.6	

Woodstock	92°	47°	4.0	
Digby	84°	41°	4.3	
Kentville	94°	49°	2.2	251
Liverpool	85°	38°	5.6	
Nappan	86°	43°	3.3	242
Sydney	87°	50°	2.1	
Truro	88°	44°	2.8	
Upper Stewiacke	88°	42°	2.5	
Wolfville	93°	50°	2.2	242
Yarmouth	69°	46°	1.3	
Charlottetown	87°	52°	2.0	
Charlottetown (Experimental Farm)	88°	50°	3.2	259

−2°
+2°
+4°
+6°
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Lake Michigan
Lake Superior
Marquette
Escanaba
Alpena
Ludington
Saginaw
Grand Haven
Port Huron
Grand Rapids
Detroit
Chicago
Toledo
Cleveland
Erie
Buffalo
Rochester
Oswego
Syracuse
Albany
Canton
Binghampton
Scranton
New York
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Harrisburg
Philadelphia
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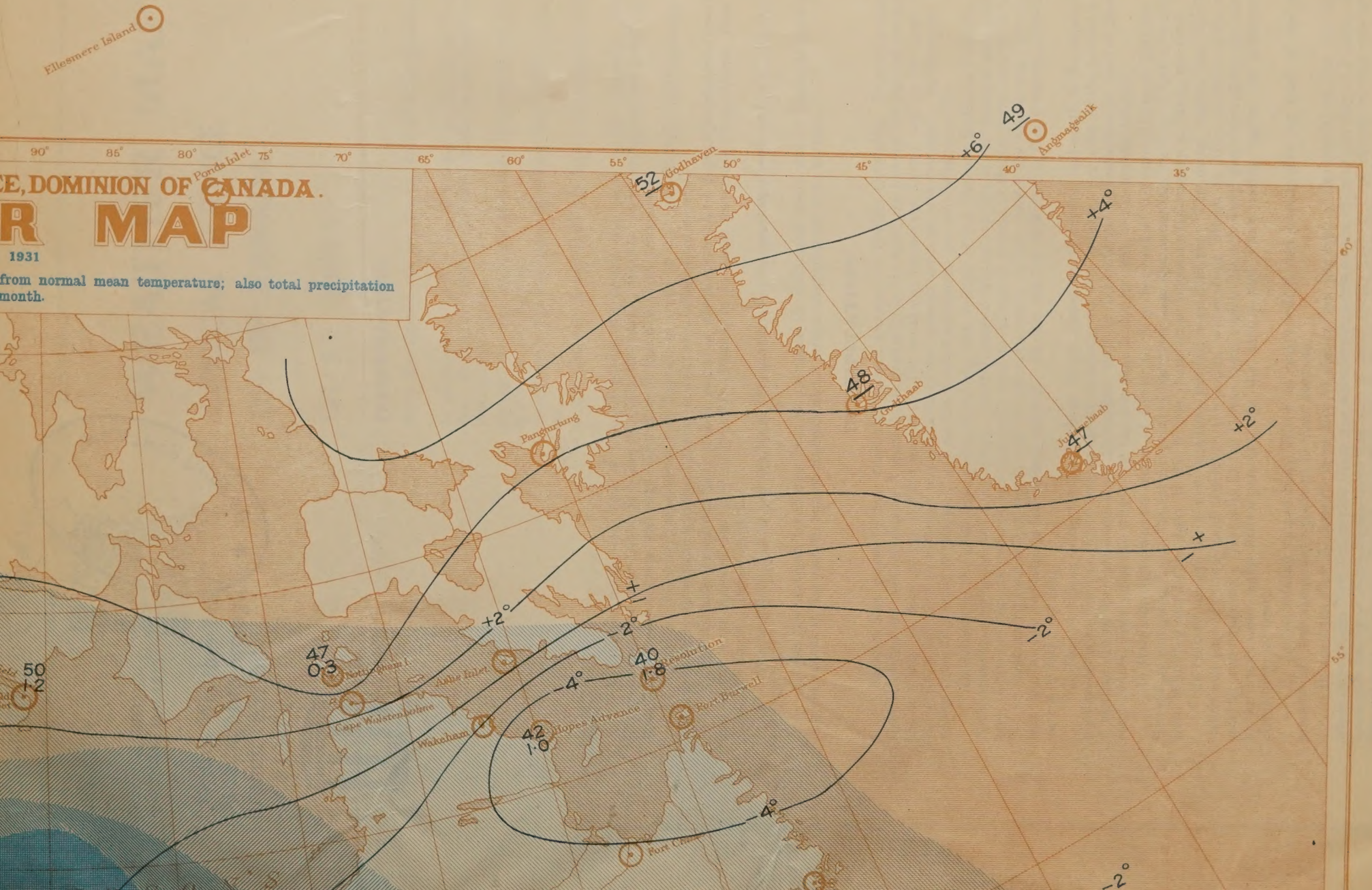
CE, DOMINION OF CANADA.
R MAP
1931
from normal mean temperature; also total precipitation
month.
Ellesmere Island
Pond Inlet
Godthaven
Angmagssalik
Pangnirtung
Godthaab
Julianehaab
Cape Wolstenholme
Resolution
Port Harrison
+6°
+4°
+2°
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49
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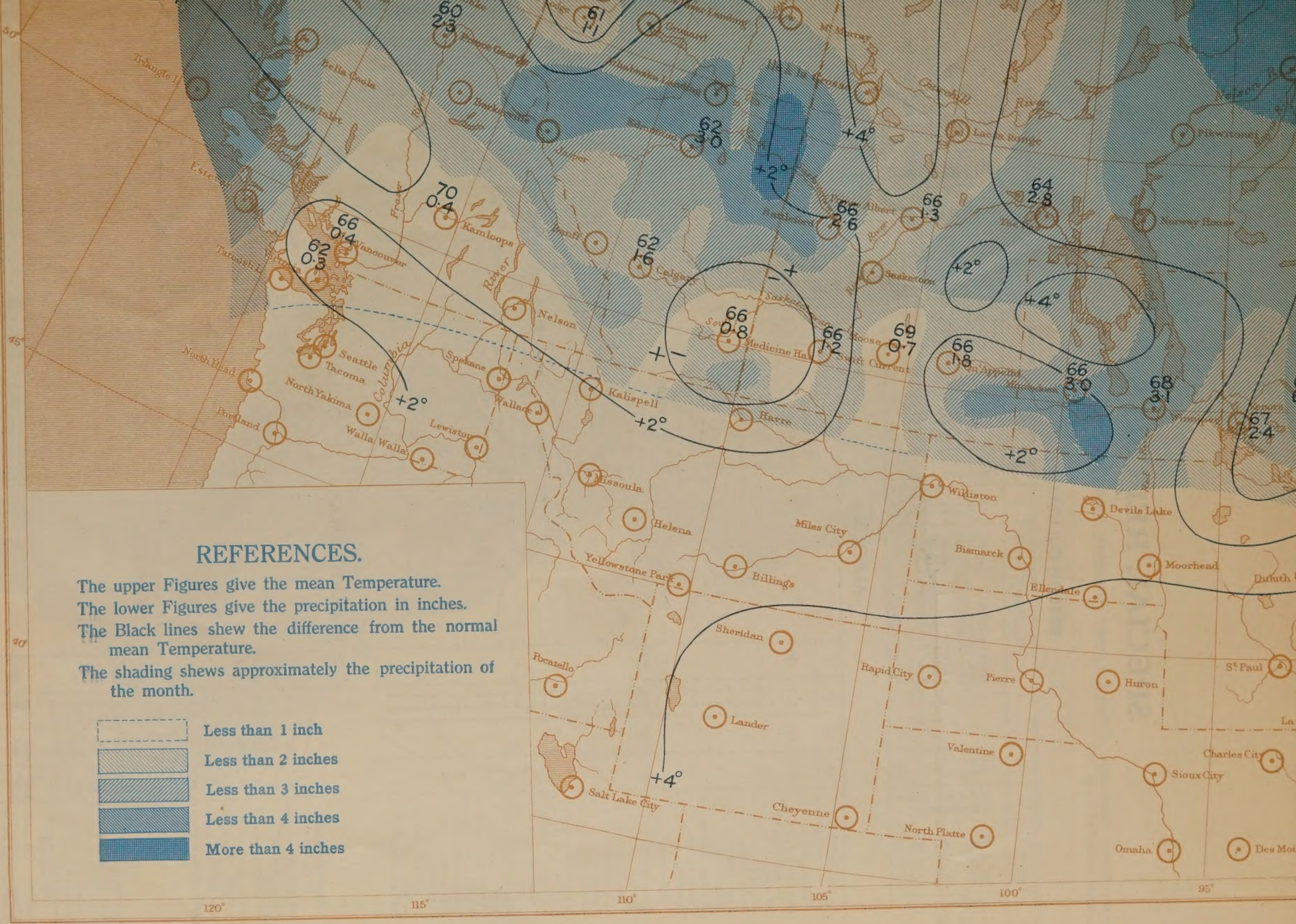
1·2
47
0·3
40
1·8
42
1·0


REFERENCES.
The upper Figures give the mean Temperature.
The lower Figures give the precipitation in inches.
The Black lines shew the difference from the normal mean Temperature.
The shading shews approximately the precipitation of the month.
Less than 1 inch
Less than 2 inches
Less than 3 inches
Less than 4 inches
More than 4 inches
Kamloops
Vancouver
Nelson
Seattle
Tacoma
Spokane
Kalispell
North Yakima
Portland
Walla Walla
Lewiston
Missoula
Helena
Yellowstone Park
Billings
Miles City
Williston
Devils Lake
Bismarck
Moorhead
Sheridan
Pocatello
Rapid City
Pierre
Huron
Lander
Valentine
Sioux City
Salt Lake City
Cheyenne
North Platte
Omaha
120°
115°
110°
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100°
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45°
40°

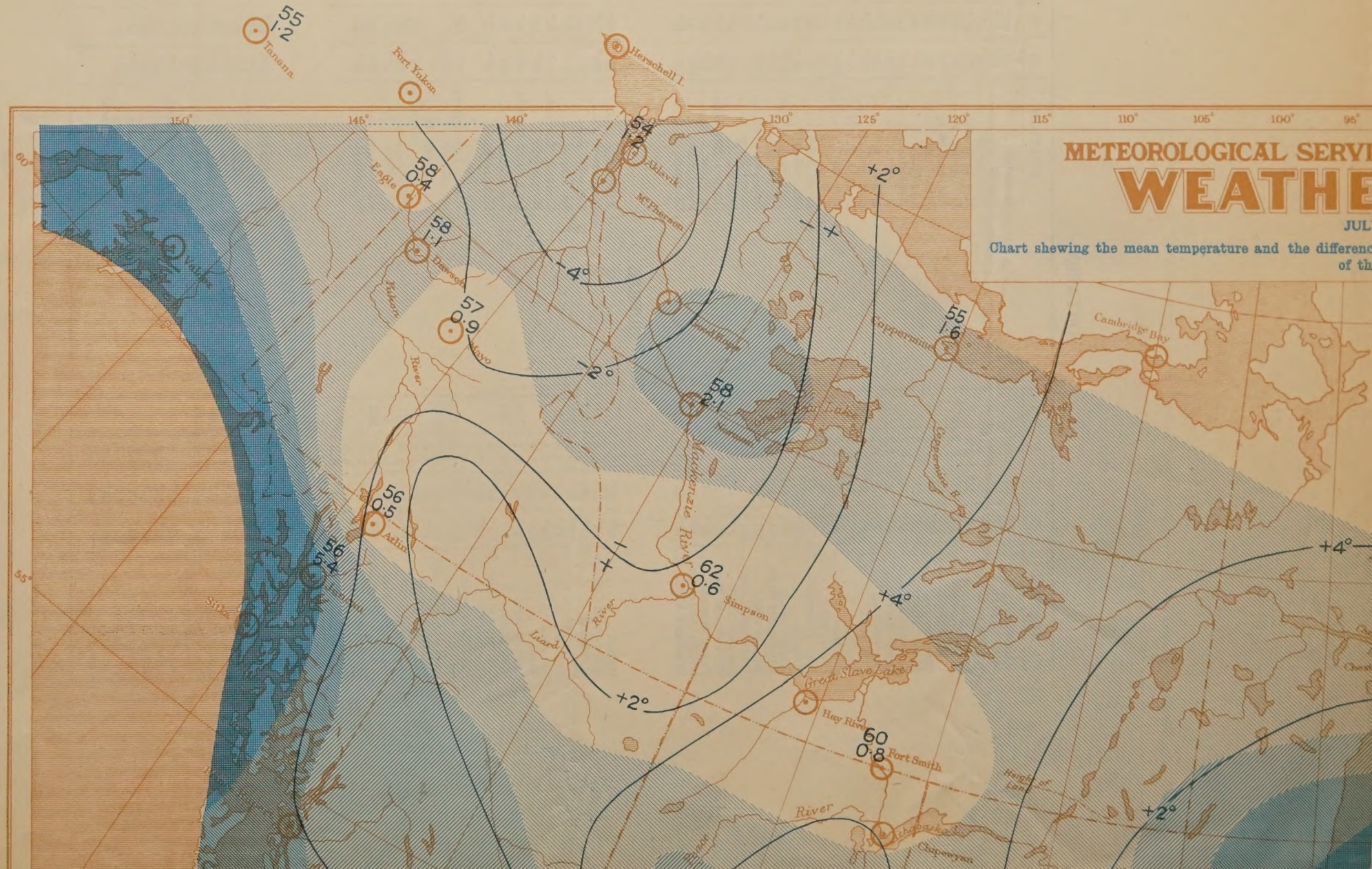
METEOROLOGICAL SERVI
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Chart shewing the mean temperature and the differenc
of th
Tanana
Fort Yukon
Herschell I.
Eagle
Dawson
Aklavik
McPherson
Mayo
River
Yukon
Athn
Simpson
Liard
River
Mackenzie River
Coppermine
Cambridge Bay
Grt. Slave Lake
Hay River
Fort Smith
River
Chipewyan
Sitka
150°
145°
140°
130°
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115°
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58 0·4
58 1·1
57 0·9
58 2·1
55 1·6
56 0·5
56 5·4
62 0·6
60 0·8
54 2·1
+2°
+4°
-4°
-2°

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